

# 10<sup>th</sup> Australian Pacific Vertiflite Conference Schedule

## Wednesday 27 February 2019

Time	Activity/Presentation Description	Presenters
0800-0900	Registration	Conference organizers
0900-0905	Conference Briefing – Day 1	Mr Bob Hood, Technical Chair
0905-0915	Welcome Address	Dr Arvind Sinha, Conference Chair
0915-0945	Opening Address	Mr Shane Fairweather, First Assistant Secretary, Dept of Defence
0945-1030	Keynote Address 1 – <b>TBA</b>	RADM Colin Lawrence – Head, Navy Engineering
1030-1100	<b>Morning Tea and Coffee</b>	All Conference Attendees
1100-1130	1_MRH90 Taipan and ARH Tiger Operations	Peter de Waard – Chief Engineer, Airbus Australia
1130-1200	2_ Considerations for Aviation Operations at Sea	Colonel Javier Ball – USMC Retired
1200-1300	<b>Lunch – Stand-Up Working Lunch</b>	All Conference Attendees
1300-1345	Keynote address 2 - Urban Air Mobility/eVTOL Vehicle Research	Dr Colin Theodore – NASA, Ames.
1345-1415	3_eVTOL Performance Potential	Dr Graham Dorrington- RMIT University
1415-1445	4_RANS CFD Modelling for XC-142 Tiltwing Application	Professor Chunhua Sheng – Uni of Toledo, USA
1445-1515	<b>Afternoon Tea and Coffee</b>	All Conference Attendees
1515-1545	5_Pegasus Post Crash Buoyancy for Helicopters	Tim Lyons – One Atmosphere, Aust
1545-1615	6_Analysis of Ship-Helicopter Dynamic Interference with a CFD Coupled Rotor Model	Daniel Linton – Uni Sydney - DSTG
1615-1645	7_Aeroelastic Analysis of Shipboard Helicopter Engagement and Disengagement Operations	Michael Groom - Uni Sydney - DSTG
1645-1715	8_Aerodynamics of Anhedral Rotor Tips	Dr Lakshmi Sankar – Georgia Tech USA
1900-2200	Conference Banquet_ Technology Presentation and Awards <a href="#">Rydges on Swanston</a> : Roof Deck	All Conference Attendees

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0800-0900	Registration	Conference organizers
0900-0915	Conference Briefing – Day 2	Dr Arvind Sinha, Conference Chair
0915-1000	Keynote Address 3 – Hybrid-electric long - range vertical takeoff and landing (VTOL) aircraft.	Mr Saleem Zaheer – XTI Aircraft Company, USA
1000-1030	1_The Design and Development of the Humming Buzz Individual Flying Machine	Dr Daniel Schrage – VLRCOE, Georgia Tech, USA
1030-1100	<b>Morning Tea and Coffee</b>	All Conference Attendees
1100-1130	2_Advancements in Future Vertical Lift Reliability Determination – A path towards remaining useful life.	Dr Adrijan Ribaric – Sentient Science, USA
1130-1200	3_Rotorcraft Obstacle Avoidance Simulator Environment (ROSE) Project	Will Trautman – Georgia Tech, Research Institute, USA
1200-1300	<b>Lunch – Stand-Up Working Lunch</b>	All Conference Attendees
1300-1345	Keynote Address 4 - Helicopter Research and Support for the Australian Military	Steve Harrison DSTG, Fishermen's, Bend, Melbourne
1345-1415	4_Innovative Sustainment of ADF Helicopter Structural Integrity	Ms. Anthea Mills – QinetiQ, Melbourne
1415-1445	5_DST Project on Helicopter Advanced Fatigue Test – Test Demonstrator (HAFT-TD)	Mr Tony Mills – DSTG, Fishermen's, Bend, Melbourne
1445-1515	<b>Afternoon Tea and Coffee</b>	All Conference Attendees
1515-1545	6_Unsteady Detached Eddy Simulations of Rotor Blades.	Mr Ying Luo - Uni Sydney – DSTG.
1545-1615	7_Novel Methods to Determine Hydrothermal Residual Stresses in Fibre Reinforced Polymer Composite Materials.	Mr Paul Adcock – Monash University, DSTG.
1615-1645	Concluding Remarks	Dr Arvind Sinha, Chair



Vertical Flight Society